

Network Robot Dedicated Core Board



1. Features

- Ultra-small size 36mm * 33mm, can be used with a variety of features to meet the needs of different backplane enclosure;
- Embedded RTOS design, dual-core 32-bit DSP (Hi3518E), pure hardware compression, watchdog;
- Support sense infrared day and night switching, support photo resistor signal linkage;
- Support ONVIF protocol, support two-way audio, support alarm input and output;
- Support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP network protocols;
- Supports a variety of cloud technology, network penetration, front and rear end docking alarm information pushed to your phone and other functions;
- Support unified client remote monitoring software, MYEYE platform system applications; provide comprehensive SDK development package;

2. Model

IPM-50H10PE-O(R)

3. Parameters

Specifications	IPG-50H10PE-SL
System Structure	Embedded RTOS design, dual-core 32-bit DSP (Hi3518E), pure hardware compression, watchdog;
Video compression	H.264, support dual-stream, AVI format; support stream 0.1M ~ 6Mbps adjustable; support frame rate from 1 to 30 frames / sec adjustable;
Image output	main stream:1280*720; sub-stream:704*576;
Audio interface	1 input, level 2Vp-p, impedance 1kΩ, supports pickup input; an output impedance of 16Ω, 30mw power output, support for connecting headphones or amplifier;
Audio processing	G.711 codec standard, supports two-way voice intercom, support audio and video synchronization;
Network interface	1 RJ45, 10/100M Ethernet adaptive interface; support RTSP / FTP / PPPOE / DHCP

	/ DDNS / NTP / UPnP network protocols;
Alarm input	A switch input
Alarm output	A switch output
Motor interface	A horizontal motor interface, a vertical electrical interfaces, a limit switch;
SD card	Support maximum 32G
Other interface	1 external single, 1 IR-CUT, support photo resistor input signal and image, IR-CUT, infrared light linkage;
features	Support WEB configure, support for OSD, support real-time video transmission, support mobile surveillance, support for mobile detection alarm center after the screen pop-up reminders and linkage; supports JPEG capture; support unified client remote monitoring software, MYEYE platform system applications; provide perfect the SDK development package;
ONVIF	support
Mobile monitoring	Support mobile monitoring (iPhone, Windows Mobile, BlackBerry, Symbian, Android)
other	Restore factory settings button interface, support photo resistor linkage;
directions	IPM-50H10PE-O (R) is 36mm * 33mm core board module, with the expansion of its functions to achieve required floor use.